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☐ 1. Document ID: US 20080024133 A1

L35: Entry 1 of 35

File: PGPB

Jan 31, 2008

PGPUB-DOCUMENT-NUMBER: 20080024133

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20080024133 A1

TITLE: CAVITY RESONATOR FOR MAGNETIC RESONANCE SYSTEMS

PUBLICATION-DATE: January 31, 2008

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Vaughan; John Thomas	Stillwater	MN	US
Watson; Mark A.	Savage	MN	US
Bradshaw; Kenneth M.	Chaska	MN	US
Waks; Matthew T.	Coon Rapids	MN	US
Holwell; Joshua J.	Plymouth	MN	US

US-CL-CURRENT: 324/318; 600/421

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KWIC	Draw Desc	Image				

☐ 2. Document ID: US 20070273375 A1

L35: Entry 2 of 35

File: PGPB

Nov 29, 2007

PGPUB-DOCUMENT-NUMBER: 20070273375

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070273375 A1

TITLE: Method For Generating A Homogeneous Magnetization In A Spatial Examination Volume Of A Magnetic Resonance Installation

PUBLICATION-DATE: November 29, 2007

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Diehl; Dirk	Erlangen		DE

US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KWC	Draw Desc	Image				

☐ 3. Document ID: US 20070132454 A1

L35: Entry 3 of 35

File: GGPB

Jun 14, 2007

PGPUB-DOCUMENT-NUMBER: 20070132454

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070132454 A1

TITLE: CAVITY RESONATOR FOR MR SYSTEMS

PUBLICATION-DATE: June 14, 2007

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Vaughan; John T.	Stillwater	MN	US

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 4. Document ID: US 20070085543 A1

L35: Entry 4 of 35

File: PGPB

Apr 19, 2007

PGPUB-DOCUMENT-NUMBER: 20070085543

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070085543 A1

TITLE: Cavity Resonator For MR Systems

PUBLICATION-DATE: April 19, 2007

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Vaughan; John T.	Stillwater	MN	US

US-CL-CURRENT: 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 5. Document ID: US 20070066885 A1

L35: Entry 5 of 35

File: PGPB

Mar 22, 2007

PGPUB-DOCUMENT-NUMBER: 20070066885

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070066885 A1

TITLE: Cavity Resonator For MR Systems

PUBLICATION-DATE: March 22, 2007

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Vaughan; John T.	Stillwater	MN	US

US-CL-CURRENT: 600/411; 324/318, 600/421

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KWIC	Draw Desc	Image				

☐ 6. Document ID: US 7345483 B2

L35: Entry 6 of 35

File: USPT

Mar 18, 2008

US-PAT-NO: 7345483

DOCUMENT-IDENTIFIER: US 7345483 B2

TITLE: Cavity resonator for MR systems

DATE-ISSUED: March 18, 2008

PRIOR-PUBLICATION:

DOC-ID	DATE
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US 20070085543 A1	April 19, 2007
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INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vaughan; John T.	Stillwater	MN		US

US-CL-CURRENT: 324/318; 600/421

Full	Title	Citation	Front	Review	Classification	Date
Reference	Sequence	Claims	KWIC	Draw Desc	Image	

☐ 7. Document ID: US 7215120 B2

L35: Entry 7 of 35

File: USPT

May 8, 2007

US-PAT-NO: 7215120

DOCUMENT-IDENTIFIER: US 7215120 B2

TITLE: Cavity resonator for MR systems

DATE-ISSUED: May 8, 2007

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20040030238 A1

February 12, 2004

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Vaughan; John T.

Stillwater

MN

US

US-CL-CURRENT: 324/318; 324/322, 600/421

Full	Title	Citation	Front	Review	Classification	Date		
Reference					Claims	KMC	Draw Desc	Image

☐ 8. Document ID: US 6690336 B1

L35: Entry 8 of 35

File: USPT

Feb 10, 2004

US-PAT-NO: 6690336

DOCUMENT-IDENTIFIER: US 6690336 B1

TITLE: Antenna

DATE-ISSUED: February 10, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Leisten; Oliver Paul	Northampton			GB
Agboraw; Ebinotambong	Northampton			GB
Nicolaidis; George	Northampton			GB

US-CL-CURRENT: 343/895; 343/702

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KWMC	Draw Desc	Image

☐ 9. Document ID: US 5886596 A

L35: Entry 9 of 35

File: USPT

Mar 23, 1999

US-PAT-NO: 5886596

DOCUMENT-IDENTIFIER: US 5886596 A

**** See image for Certificate of Correction ****

TITLE: Radio frequency volume coils for imaging and spectroscopy

DATE-ISSUED: March 23, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vaughan, Jr.; John Thomas	Lynnfield	MA		

US-CL-CURRENT: 333/219; 324/318

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KWC	Draw Desc	Image

☐ 10. Document ID: US 5557247 A

L35: Entry 10 of 35

File: USPT

Sep 17, 1996

US-PAT-NO: 5557247

DOCUMENT-IDENTIFIER: US 5557247 A

**** See image for Certificate of Correction ****

TITLE: Radio frequency volume coils for imaging and spectroscopy

DATE-ISSUED: September 17, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Vaughn, Jr.; John T.	Birmingham	AL		
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US-CL-CURRENT: 333/219; 324/318, 324/322, 333/222, 333/227

Full	Title	Citation	Front	Review	Classification	Date
Reference					Claims	KMC
					Draw Desc	Image

☐ 11. Document ID: US 4795995 A

L35: Entry 11 of 35

File: USPT

Jan 3, 1989

US-PAT-NO: 4795995

DOCUMENT-IDENTIFIER: US 4795995 A

TITLE: Method and apparatus for producing electromagnetic surveillance fields

DATE-ISSUED: January 3, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Eccleston; Larry	Marshall	MI		
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Cook, II; James C.	Marshall	MI		
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Goodrich, II; Earl R.	East Lansing	MI		
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US-CL-CURRENT: 336/199; 340/551, 340/572.1, 361/143

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 12. Document ID: US 3553477 A

L35: Entry 12 of 35

File: USPT

Jan 5, 1971

US-PAT-NO: 3553477

DOCUMENT-IDENTIFIER: US 3553477 A

TITLE: PARAMETRON DELAY LINE

DATE-ISSUED: January 5, 1971

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hata; Yu	Tokyo			JA

US-CL-CURRENT: 307/402; 333/140, 365/139, 365/194

Full	Title	Citation	Front	Review	Classification	Date			
Reference					Claims	KMC	Draw	Deso	Image

☐ 13. Document ID: US 3382326 A

L35: Entry 13 of 35

File: USOC

May 7, 1968

US-PAT-NO: 3382326

DOCUMENT-IDENTIFIER: US 3382326 A

TITLE: Magnetic transducer head

DATE-ISSUED: May 7, 1968

INVENTOR-NAME: MARVIN CAMRAS

US-CL-CURRENT: 360/123.17; 360/125.01, 360/128, 360/61, 360/82

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KWMC	Draw Desc
						Image

☐ 14. Document ID: US 3369243 A

L35: Entry 14 of 35

File: USOC

Feb 13, 1968

US-PAT-NO: 3369243

DOCUMENT-IDENTIFIER: US 3369243 A

TITLE: Log-periodic antenna structure

DATE-ISSUED: February 13, 1968

INVENTOR-NAME: GREISER JOHN W

US-CL-CURRENT: 343/770; 343/792.5, 343/848, 343/886

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KWMC	Draw Desc
						Image

☐ 15. Document ID: US 3281666 A

L35: Entry 15 of 35

File: USOC

Oct 25, 1966

US-PAT-NO: 3281666

DOCUMENT-IDENTIFIER: US 3281666 A

TITLE: Method of testing hardened steel articles utilizing the irreversible portion of the magnetization curve

DATE-ISSUED: October 25, 1966

INVENTOR-NAME: TAKAYUKI MAKINO

US-CL-CURRENT: 324/232; 324/234, 73/78

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KWMC	Draw Desc
						Image

☐ 16. Document ID: US 3273062 A

L35: Entry 16 of 35

File: USOC

Sep 13, 1966

US-PAT-NO: 3273062

DOCUMENT-IDENTIFIER: US 3273062 A

TITLE: System of propagating radio energy by means of artificial scatterers

DATE-ISSUED: September 13, 1966

INVENTOR-NAME: RAABE HERBERT P

US-CL-CURRENT: 455/3.01; 342/10, 343/705, 343/706, 343/707, 343/912, 343/DIG.2

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc Image

☐ 17. Document ID: US 3213454 A

L35: Entry 17 of 35

File: USOC

Oct 19, 1965

US-PAT-NO: 3213454

DOCUMENT-IDENTIFIER: US 3213454 A

TITLE: Frequency scanned antenna array

DATE-ISSUED: October 19, 1965

INVENTOR-NAME: RINGENBACH MAURICE E

US-CL-CURRENT: 343/754; 342/375, 343/771, 343/911R

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc Image

☐ 18. Document ID: US 3189855 A

L35: Entry 18 of 35

File: USOC

Jun 15, 1965

US-PAT-NO: 3189855
DOCUMENT-IDENTIFIER: US 3189855 A

TITLE: Waveguide rotary joint utilizing annular resonant waveguide

DATE-ISSUED: June 15, 1965

INVENTOR-NAME: FORRER MAX P

US-CL-CURRENT: 333/256; 333/1

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KWIC	Draw Desc Image

☐ 19. Document ID: US 3184743 A

L35: Entry 19 of 35

File: USOC

May 18, 1965

US-PAT-NO: 3184743
DOCUMENT-IDENTIFIER: US 3184743 A

TITLE: Antenna structures for communication satellites

DATE-ISSUED: May 18, 1965

INVENTOR-NAME: CRAWFORD ARTHUR B

US-CL-CURRENT: 342/353; 342/365, 343/756, 343/773, 343/778, 343/783

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KWIC	Draw Desc Image

☐ 20. Document ID: US 3088062 A

L35: Entry 20 of 35

File: USOC

Apr 30, 1963

US-PAT-NO: 3088062
DOCUMENT-IDENTIFIER: US 3088062 A

TITLE: Electromechanical vibratory force suppressor and indicator

DATE-ISSUED: April 30, 1963

INVENTOR-NAME: HUDIMAC ALBERT A

US-CL-CURRENT: 318/128; 188/1.11E, 188/1.11R, 188/267, 248/550, 310/15,
310/93, 336/100

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc Image

☐ 21. Document ID: US 3002147 A

L35: Entry 21 of 35

File: USOC

Sep 26, 1961

US-PAT-NO: 3002147

DOCUMENT-IDENTIFIER: US 3002147 A

TITLE: Remote capacitor switching apparatus for power distribution system

DATE-ISSUED: September 26, 1961

INVENTOR-NAME: CHARLES WASSERMAN

US-CL-CURRENT: 323/209; 307/31, 340/310.12, 340/310.17, 340/825.76,
361/183

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc Image

☐ 22. Document ID: US 2989621 A

L35: Entry 22 of 35

File: USOC

Jun 20, 1961

US-PAT-NO: 2989621

DOCUMENT-IDENTIFIER: US 2989621 A

TITLE: Fire alarm system using a plural oscillator radio transmitter

DATE-ISSUED: June 20, 1961

INVENTOR-NAME: BARTON PAUL M; EMMETT JENNINGS JO

US-CL-CURRENT: 340/307, 331/164, 331/37, 331/42, 331/47, 332/122,
340/287, 343/719, 455/40

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc

☐ 23. Document ID: US 2908873 A

L35: Entry 23 of 35

File: USOC

Oct 13, 1959

US-PAT-NO: 2908873

DOCUMENT-IDENTIFIER: US 2908873 A

TITLE: Automatic phase equalizer

DATE-ISSUED: October 13, 1959

INVENTOR-NAME: BOGERT BRUCE P

US-CL-CURRENT: 333/18; 333/166, 333/28R

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc

☐ 24. Document ID: US 2890328 A

L35: Entry 24 of 35

File: USOC

Jun 9, 1959

US-PAT-NO: 2890328

DOCUMENT-IDENTIFIER: US 2890328 A

TITLE: Non-reciprocal wave transmission

DATE-ISSUED: June 9, 1959

INVENTOR-NAME: FOX ARTHUR G

US-CL-CURRENT: 455/81; 333/1.1, 333/117

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KWIC	Draw Desc Image

☐ 25. Document ID: US 2815406 A

L35: Entry 25 of 35

File: USOC

Dec 3, 1957

US-PAT-NO: 2815406

DOCUMENT-IDENTIFIER: US 2815406 A

TITLE: Wide-band distribution amplifier system

DATE-ISSUED: December 3, 1957

INVENTOR-NAME: TONGUE BEN H

US-CL-CURRENT: 330/54, 330/55, 330/57, 333/174, 333/25, 333/32, 333/5

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KWIC	Draw Desc Image

☐ 26. Document ID: US 2731553 A

L35: Entry 26 of 35

File: USOC

Jan 17, 1956

US-PAT-NO: 2731553

DOCUMENT-IDENTIFIER: US 2731553 A

TITLE: Coded cab signalling system for railroads

DATE-ISSUED: January 17, 1956

INVENTOR-NAME: ZAFFARANO FRANK P; MAENPAA WILHO K

US-CL-CURRENT: 246/63C, 246/182R

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KWIC	Draw Desc Image

☐ 27. Document ID: US 2710942 A

L35: Entry 27 of 35

File: USOC

Jun 14, 1955

US-PAT-NO: 2710942

DOCUMENT-IDENTIFIER: US 2710942 A

TITLE: Electromagnetic induction device

DATE-ISSUED: June 14, 1955

INVENTOR-NAME: EMERSON JOHN F

US-CL-CURRENT: 324/247; 340/870.05, 340/870.33, 73/195, 73/382R

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMIC	Draw Desc Image

☐ 28. Document ID: US 2674705 A

L35: Entry 28 of 35

File: USOC

Apr 6, 1954

US-PAT-NO: 2674705

DOCUMENT-IDENTIFIER: US 2674705 A

TITLE: Saturable magnetic core control device

DATE-ISSUED: April 6, 1954

INVENTOR-NAME: SCHWIEG JR FREDERIC P

US-CL-CURRENT: 361/192; 318/745, 323/330, 335/227, 335/230, 361/157

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMIC	Draw Desc Image

☐ 29. Document ID: US 2648979 A

L35: Entry 29 of 35

File: USOC

Aug 18, 1953

US-PAT-NO: 2648979

DOCUMENT-IDENTIFIER: US 2648979 A

TITLE: Transducer testing apparatus

DATE-ISSUED: August 18, 1953

INVENTOR-NAME: CORNETT JESSE R

US-CL-CURRENT: 73/579; 310/25, 324/158.1, 324/88, 73/1.82, 73/1.85

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 30. Document ID: US 2570651 A

L35: Entry 30 of 35

File: USOC

Oct 9, 1951

US-PAT-NO: 2570651

DOCUMENT-IDENTIFIER: US 2570651 A

TITLE: Thyatron power inverter

DATE-ISSUED: October 9, 1951

INVENTOR-NAME: DEMUTH GALAN W

US-CL-CURRENT: 318/807; 307/107

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KWMC	Draw Desc	Image

☐ 31. Document ID: US 2541320 A

L35: Entry 31 of 35

File: USOC

Feb 13, 1951

US-PAT-NO: 2541320

DOCUMENT-IDENTIFIER: US 2541320 A

TITLE: Multifrequency generator

DATE-ISSUED: February 13, 1951

INVENTOR-NAME: BACHELET ALBERT E

US-CL-CURRENT: 327/120; 327/295, 331/51, 331/53, 333/200, 370/302

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KWMC	Draw Desc Image

☐ 32. Document ID: US 2527477 A

L35: Entry 32 of 35

File: USOC

Oct 24, 1950

US-PAT-NO: 2527477

DOCUMENT-IDENTIFIER: US 2527477 A

TITLE: Control of the velocity of phase propagation of electric waves in wave guides

DATE-ISSUED: October 24, 1950

INVENTOR-NAME: CLAPP ROGER E

US-CL-CURRENT: 342/368; 333/253, 333/256, 343/816

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KWMC	Draw Desc Image

☐ 33. Document ID: US 2505018 A

L35: Entry 33 of 35

File: USOC

Apr 25, 1950

US-PAT-NO: 2505018

DOCUMENT-IDENTIFIER: US 2505018 A

TITLE: Alternating-current commutator machine

DATE-ISSUED: April 25, 1950

INVENTOR-NAME: CLAY WEATHERS LELAND

US-CL-CURRENT: 318/244; 310/195, 310/225, 318/257, 322/61

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 34. Document ID: US 2273588 A

L35: Entry 34 of 35

File: USOC

Feb 17, 1942

US-PAT-NO: 2273588

DOCUMENT-IDENTIFIER: US 2273588 A

TITLE: Electric protective arrangement

DATE-ISSUED: February 17, 1942

INVENTOR-NAME: NEHER JOHN H

US-CL-CURRENT: 361/69; 361/87

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 35. Document ID: US 2172107 A

L35: Entry 35 of 35

File: USOC

Sep 5, 1939

US-PAT-NO: 2172107

DOCUMENT-IDENTIFIER: US 2172107 A

TITLE: OCR SCANNED DOCUMENT

DATE-ISSUED: September 5, 1939

INVENTOR-NAME: Name not available

US-CL-CURRENT: 332/145; 332/147, 332/153, 332/170

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

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ANTENNA	453719
ANTENNAS	111681
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